

**VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY
SOUTH CENTRAL REGIONAL OFFICE**

**FACT SHEET
FOR PROPOSED PERMITTING ACTION
UNDER 9 VAC 5 Chapter 80 Article 1 (TITLE V-CLEAN AIR ACT)**

APPLICANT:

VA-31048 AIRS ID 51- 680-0204
Lynchburg Waste Management Facility
City of Lynchburg
Department of Public Works
Waste Management Division
2704 Concord Turnpike
Lynchburg, VA 24505

FACILITY LOCATION:

0.5 mile north of U.S. Route 460
UTM Coordinates are ZONE: 17 EASTING: 667.2 km NORTHING: 4140.3 km

FACILITY DESCRIPTION:

Lynchburg Waste Management Facility is a Municipal solid waste (MSW) landfill covered by Standard Industrial Classification (SIC) Code 4953. The facility is permitted to construct and operate a 3.17 million megagrams (4,585,100 cubic meters) Municipal Solid Waste facility and a landfill gas collection system using an open flare for controlling Nonmethane Organic Compound (NMOC) emissions. An alternative operating scenario is to route the collected gas to a nearby industrial facility for use as a fuel. The permittee will be responsible for assuring a 98% destruction efficiency of NMOC or reducing the outlet NMOC concentration to less than the 20 ppm by volume, dry basis as hexane at 3% oxygen, as required by 40 CFR 60.752(b)(ii)(B)(iii). Estimated VOC emission rates are reported as 80% of NMOCs per 61 FR 9912. (The emissions were calculated from the NMOC generation rates from the Landfill Gas Emission Model.) This facility was permitted on August 13, 2001.

EMISSIONS SUMMARY:

PLANTWIDE EMISSIONS SUMMARY [TONS PER YEAR]			
CRITERIA POLLUTANTS	POTENTIAL EMISSIONS (CONTROLLED)	POTENTIAL EMISSIONS (UNCONTROLLED)	1999 ACTUAL EMISSIONS
NMOC	11.2	22.6	6.7

TITLE V PROGRAM APPLICABILITY BASIS:

The permitted design capacity of the Lynchburg Waste Management Facility is 3.17 million megagrams (4,585,100 cubic meters). Therefore, the landfill is regulated according to New Source Performance Standards (NSPS) Subpart WWW. As stated in 40 CFR 60.752(b), landfills above the 2.5 million m³ and 2.5 million Mg design capacity constructed after May 30, 1991 are subject to Title V permitting requirements.

LEGAL AND FACTUAL BASIS FOR DRAFT PERMIT CONDITIONS:

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the Commonwealth of Virginia Federal Operating Permit Regulations for the purposes of Title V of the Federal Clean Air Act (9 VAC 5 Chapter 80 Article 1), and underlying applicable requirements in other state and federal rules. Applicable requirement means all of the following as they apply to emissions units in a Title V source:

- a. Any standard or other requirement provided for in the State Implementation Plan or the Federal Implementation Plan, including any source-specific provisions such as consent agreements or orders.
- b. Any term or condition of any preconstruction permit issued pursuant to 9 VAC 5-80-10, Article 8 (9 VAC 5-80-1700 et seq.) of this part or 9 VAC 5-80-30 or of any operating permit issued pursuant to 9 VAC 5 Chapter 80 Article 5, except for terms or conditions derived from applicable state requirements or from any requirement of these regulations not included in the definition of applicable requirement.
- c. Any standard or other requirement prescribed under these regulations, particularly the provisions of 9 VAC 5 Chapter 40 (9 VAC 5-40-10 et seq.), 9 VAC 5 Chapter 50 (9 VAC 5-50-10 et seq.) or 9 VAC 5 Chapter 60 (9 VAC 5-60-10 et seq.), adopted pursuant to requirements of the federal Clean Air Act or under ' 111, 112 or 129 of the federal Clean Air Act.
- d. Any requirement concerning accident prevention under ' 112(r)(7) of the federal Clean Air Act.
- e. Any compliance monitoring requirements established pursuant to either ' 504(b) or ' 114(a)(3) of the federal Clean Air Act or these regulations.
- f. Any standard or other requirement for consumer and commercial products under ' 183(e) of the federal Clean Air Act.
- g. Any standard or other requirement for tank vessels under ' 183(f) of the federal Clean Air Act.

- h. Any standard or other requirement in 40 CFR Part 55 to control air pollution from outer continental shelf sources.
- i. Any standard or other requirement of the regulations promulgated to protect stratospheric ozone under Title VI of the federal Clean Air Act, unless the administrator has determined that such requirements need not be contained in a permit issued under this article.
- j. With regard to temporary sources subject to 9 VAC 5-80-130, (i) any ambient air quality standard, except applicable state requirements, and (ii) requirements regarding increments or visibility as provided in Article 8 (9 VAC 5-80-1700 et seq.) of this part.
- k. Any standard or other requirement of the acid deposition control program under Title IV of the Clean Air Act or the regulations promulgated thereunder.
- l. Any standard or other requirement governing solid waste incineration under ' 129 of the Clean Air Act.

Each state and federally-enforceable condition of the draft Title V Operating Permit references the specific relevant requirements of 9 VAC 5 Chapter 80 Article 1 or the applicable requirement upon which it is based. Any condition of the draft Title V permit that is enforceable by the state but is not federally-enforceable is identified in the draft Title V permit as such.

REQUEST FOR VARIANCES OR ALTERNATIVES:

None

PERIODIC MONITORING

NSPS Subpart WWW requires the permittee to submit an initial design capacity report and an initial NMOC emission rate report. The NMOC emission rate shall be calculated in accordance with the methodology contained in 40 CFR 60.754(a)(1). The permittee must submit an annual NMOC emission rate report not later than one year from the date of the initial NMOC report, unless the permittee elects to submit a five-year NMOC emission rate report. The NMOC emission rate shall be calculated in accordance with the methodology contained in 40 CFR 60.754(a)(1) through (a)(5). If the estimated NMOC emission rate, as presented in the annual report, is less than 50 Mg/yr in each of the next five consecutive years following the initial NMOC report, the permittee may elect to submit an estimate of the NMOC emission rate for the next five year period in lieu of the annual report. The NMOC emission rate shall be calculated in accordance with the methodology contained in 40 CFR 60.754(a)(1). If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a revised 5-year estimate shall be submitted. If the reported NMOC emission rate, in the initial, annual or revised 5-year report, is equal to or exceeds 50 megagrams per year, the permittee shall either submit an LFG gas collection system and control plan, or within

180 days of the emission rate report, demonstrate, using a site specific NMOC concentration (Tier 2), that NMOC emission do not equal or exceed 50 megagrams per year, submit a revised NMOC emission rate report, resume annual NMOC emission rate reporting, and retest the site specific NMOC concentration every 5 years. If, using a site-specific NMOC concentration, the NMOC emission rate is equal to or exceeds 50 megagrams per year, the permittee shall either submit a LFG gas collection system and control plan, or within 1 year of the emission rate report, demonstrate using a site specific methane generation constant (Tier 3), that NMOC emissions do not equal or exceed 50 megagrams per year, submit a revised NMOC emission rate report and resume annual NMOC emission rate reporting. The permittee shall maintain records of all emission data and operating parameters including, but not limited to: the current maximum design capacity, current amount of refuse in place, and year by year refuse accumulation rates; the description, location, amount, and placement date of all nondegradable refuse including asbestos and demolition refuse placed in landfill areas which are excluded from landfill gas collection and control; and the installation date and location of all wells and flares.

COMMENT PERIOD:

The public notice appeared in the Lynchburg *The News & Advance* on March 17, 2002.

Beginning Date: March 17, 2002

Ending Date: April 16, 2002

All written comments should be addressed to the following individual and office:

Department of Environmental Quality
South Central Regional Office
7705 Timberlake Road
Lynchburg, VA 24502
Phone: (434) 582-5120 Fax: (434) 582-5125

PROCEDURE FOR REQUESTING PUBLIC HEARING:

During the public comment period any interested person may submit written comments on the draft permit and may request a public hearing, if no public hearing has already been scheduled. A request for a public hearing shall be in writing to the above address and shall state the nature of the issues proposed to be raised in the hearing. The Director shall grant such a request for a hearing if he concludes that a public hearing is appropriate. Any public hearing shall be held in the general area in which the facility is located.